

AGILENT TECHNOLOGIES, INC.  
Legal Department, DL429  
Intellectual Property Administration  
P. O. Box 7599  
Loveland, Colorado 80537-0599

PATENT APPLICATION  
ATTORNEY DOCKET NO. 10010938-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): John C. Kralik, Thomas W. Stone

Serial No.: N/A

Examiner: N/A

Filing Date: Herewith

Group Art Unit: N/A

Title: POLARIZATION INSENSITIVE OPTICAL SWITCHING AND ROUTING SYSTEMS AND METHODS OF MANUFACTURING AND OPERATION

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( ) under 37 CFR 1.97(c) together with either a:  
( ) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97 (d) together with a:  
( ) Statement under 37 CFR 1.97(e), and  
( ) a \$180.00 processing fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 50-1078 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (\*) were disclosed in Patent Application No. \_\_\_\_\_ filed \_\_\_\_\_, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

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Date of Deposit **09/23/2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By Jacob N. Erlich  
Typed Name: Jacob N. Erlich

Respectfully submitted,

**John C. Kralik, Thomas W. Stone**

By Jacob N. Erlich

**Jacob N. Erlich**

Attorney/Agent for Applicant(s)  
Reg. No. **24,338**

Date: **09/23/2003**

Telephone No.: **(617) 854-4000**

## PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	10010938-1	
	APPLICANT	John C. Kralik, et al.
	FILING DATE	GROUP
Herewith	N/A	

## REFERENCE DESIGNATION                    U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
		5,122,895	06/16/92	Takanashi et al.
		5,619,352	04/08/97	Koch et al.
		5,771,320	06/23/98	Stone
		5,844,717	12/01/98	Faris
		5,886,816	03/23/99	Faris
		5,926,241	07/20/99	Gunning, III
		5,943,168	08/24/99	Reinsch
		6,373,630	04/16/02	Lee et al.
		6,411,437	06/25/02	Cannon et al.

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		Gooch, C. H. and Tarry, H.A. (1975). The optical properties of twisted nematic liquid crystal structures with twist angles less than or equal to 90 degrees. J. Phys. D: Appl. Phys. (8) 1575-1584.

EXAMINER

DATE CONSIDERED

\* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)